

	p_1	p_2	p_3	p_4	p_5
$gen(C^0)$	1	0	X	1	X
$gen(C^1)$	0	X	1	1	U
$gen(C^2)$	X	0	U	X	X
$gen(C^3)$	0	0	1	0	X
$glob_gen$	B	0	1	B	N

Generators (Weight Sets)

$s_{1/0}$	$s_{1/1}$	$s_{2/0}$	$s_{3/1}$	$s_{4/0}$	$s_{4/1}$
X	1	1	X	X	1
1	0	X	1	X	1
X	X	1	0	X	X
1	0	1	1	1	0

Overriding Signals

FIG. 1

	p_1	p_2	p_3	p_4	p_5
$gen(C_0)$	1	0	X	1	X
$gen(C_1)$	0	X	1	1	U
$gen(C_2)$	X	0	U	X	X
$gen(C_3)$	0	0	1	0	X
$glob_gen$	B	0	1	B	N

Generators (Weight Sets)

$s_{1/0}$	$s_{1/1}$	$s_{2/0}$	$s_{3/1}$	$s_{4/0}$	$s_{4/1}$
X	1	1	X	X	1
1	0	X	1	X	1
X	X	1	0	X	X
1	0	1	1	1	0

Overriding Signals

FIG. 2

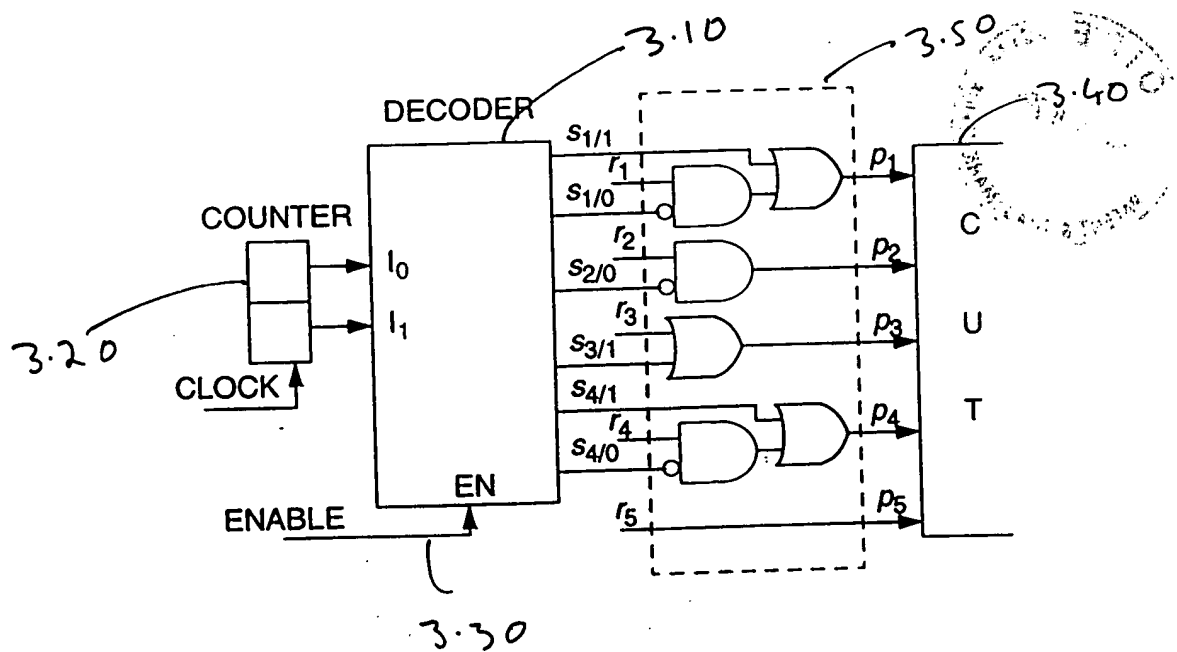


FIG. 3

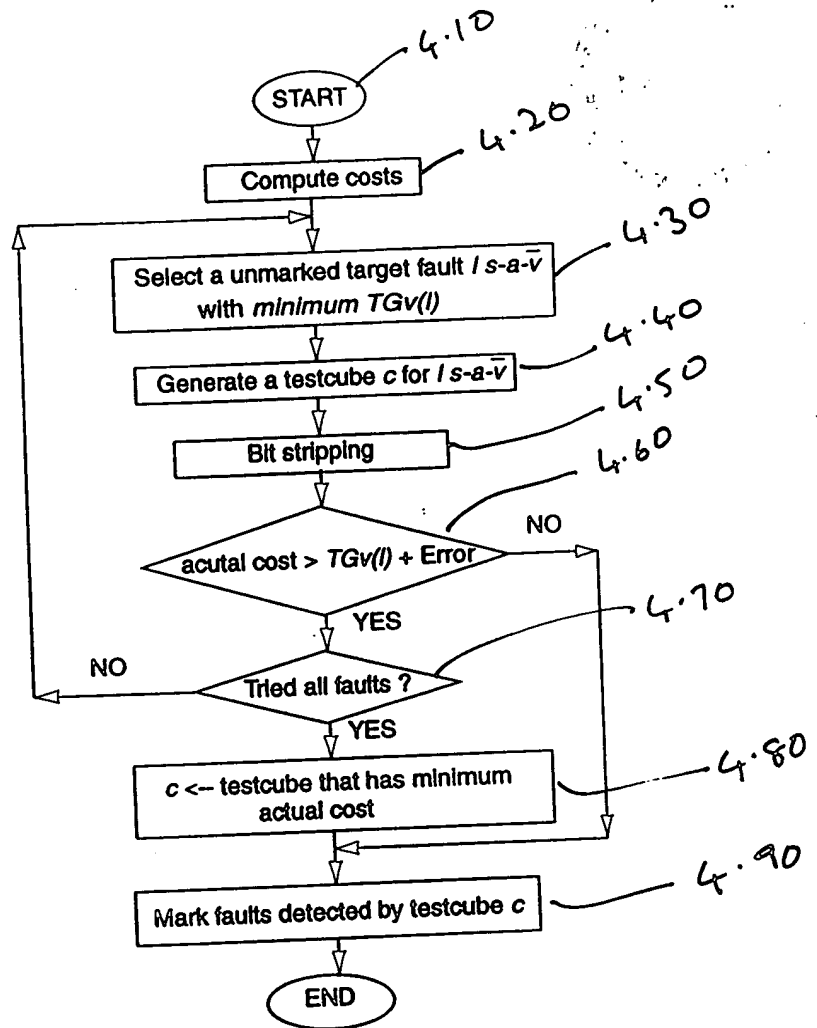


FIG. 4

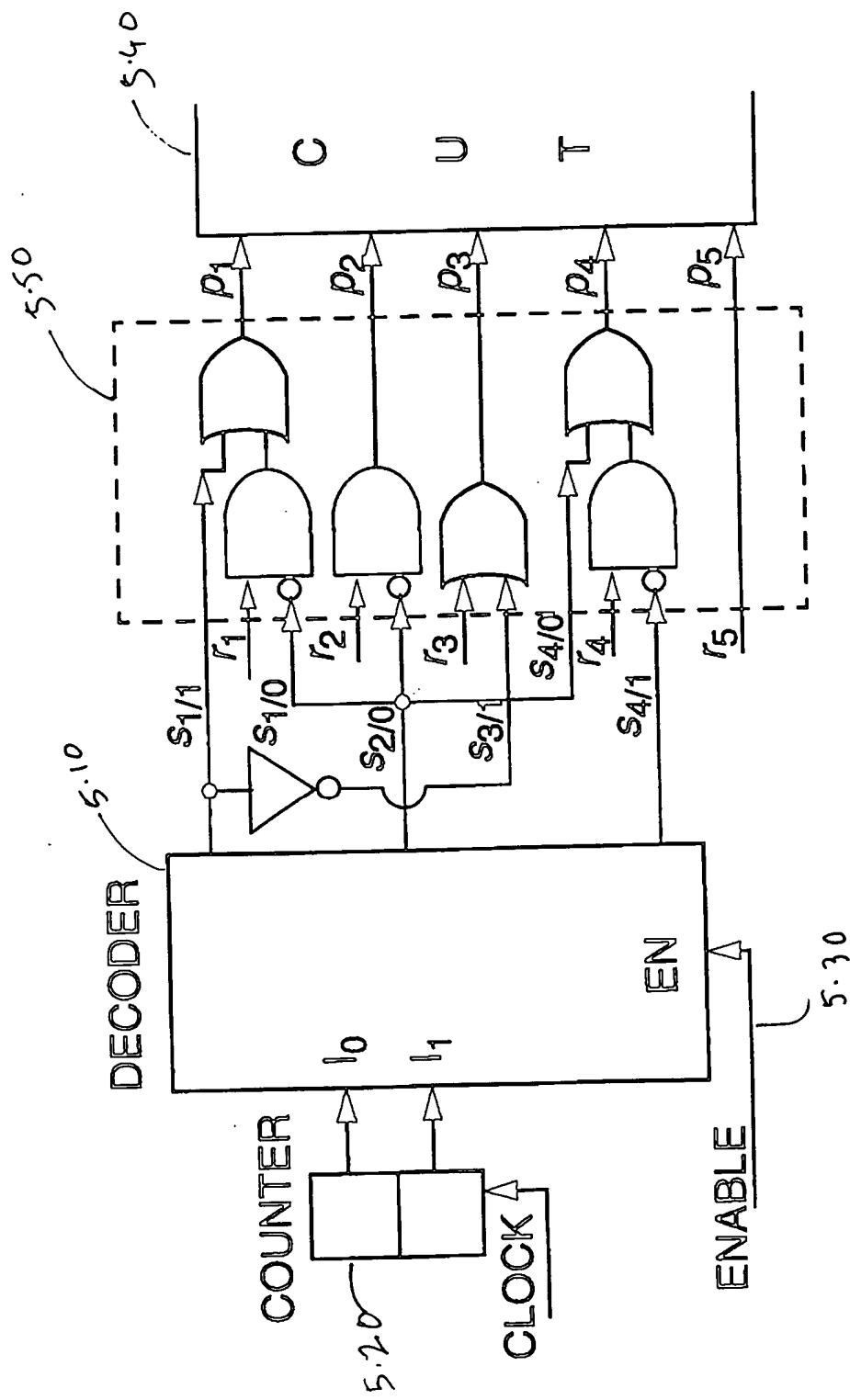


FIG. 5

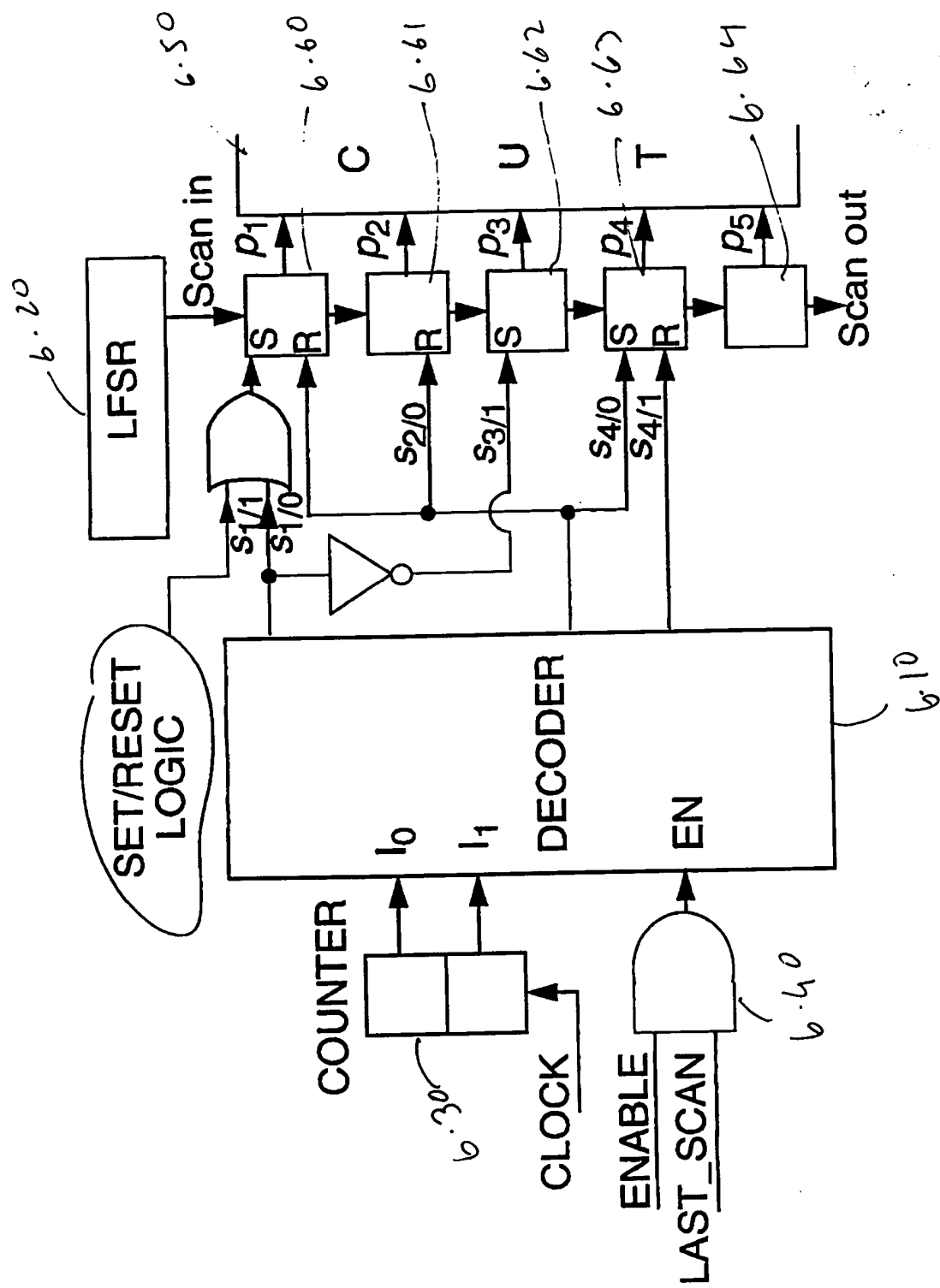


FIG. 6

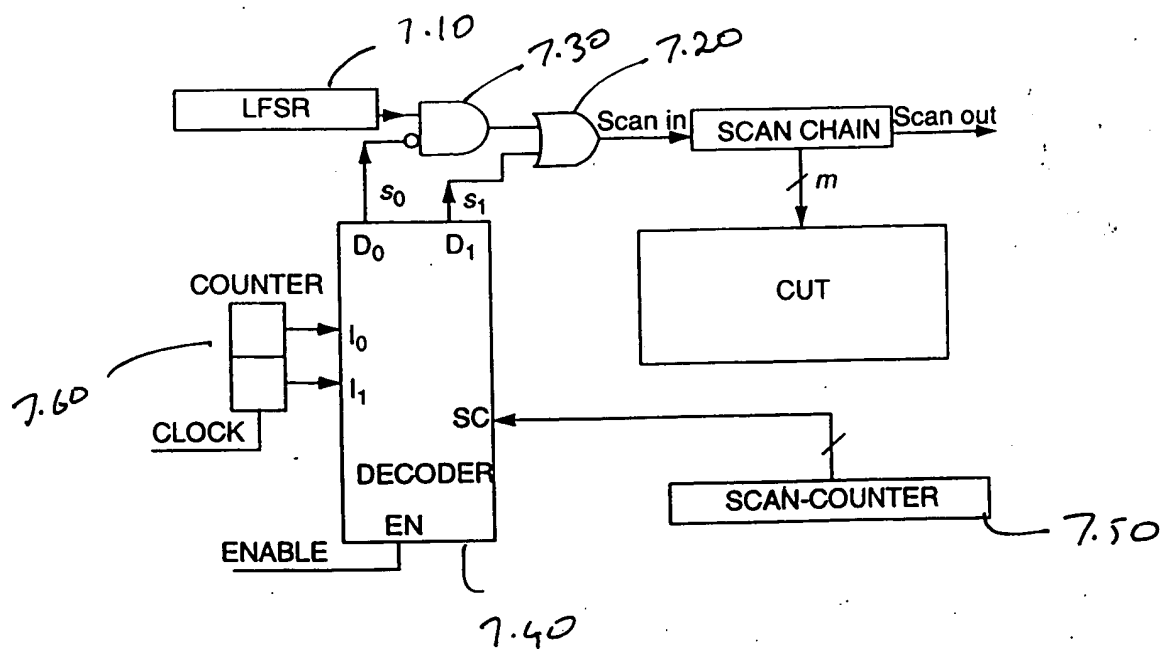


FIG. 7

	p_0	p_1	p_2	p_3	p_4	p_5	p_6	p_7
$gen(C^0)$	U	0	0	1	0	1	1	X
$gen(C^1)$	0	U	0	0	1	1	X	1

(a) generators

	D_0		D_0
0 0 0 1	1	0 0 0 0	1
0 0 1 0	1	0 0 0 1	1
0 1 0 0	1	1 0 0 1	1
1 0 0 0	1	1 0 1 0	1
1 0 1 0	1		
1 0 1 1	1		
COUNTER	SCAN-COUNTER	COUNTER	SCAN-COUNTER

	D_1		D_1
0 0 1 1	1	0 0 1 1	1
0 1 0 1	1	0 1 0 0	1
0 1 1 0	1	0 1 0 1	1
1 1 0 0	1	1 1 0 0	1
1 1 0 1	1		
1 1 1 1	1		
COUNTER	SCAN-COUNTER	COUNTER	SCAN-COUNTER

(b) without Toggle F/F

(c) with Toggle F/F

FIG. 8

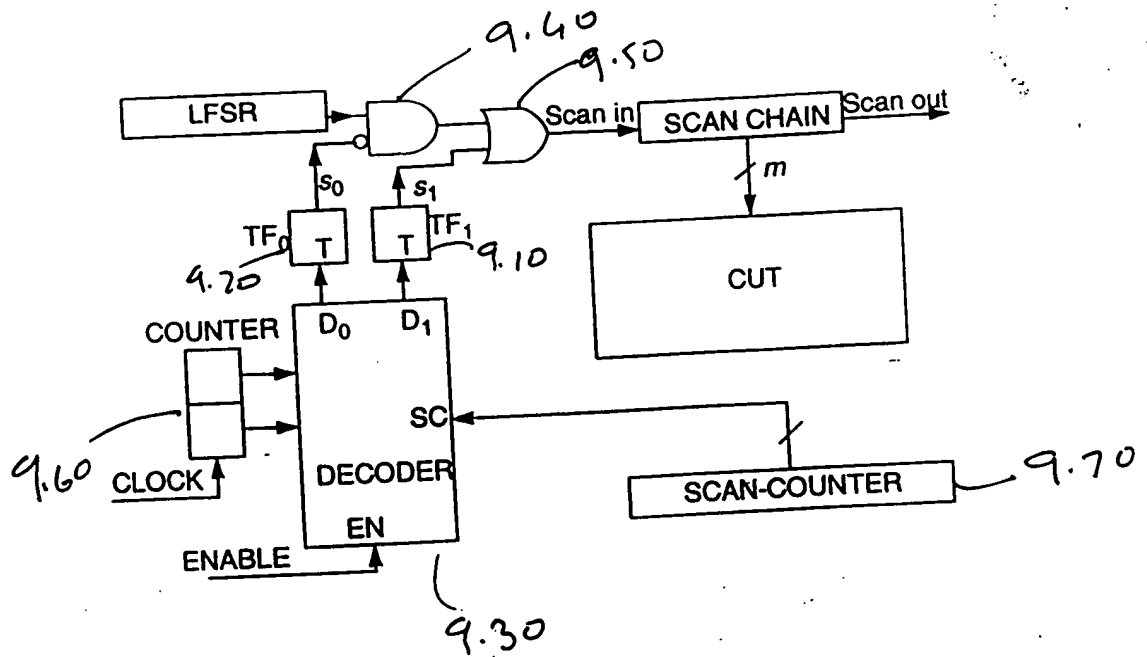


FIG. 9